

FIG. 1

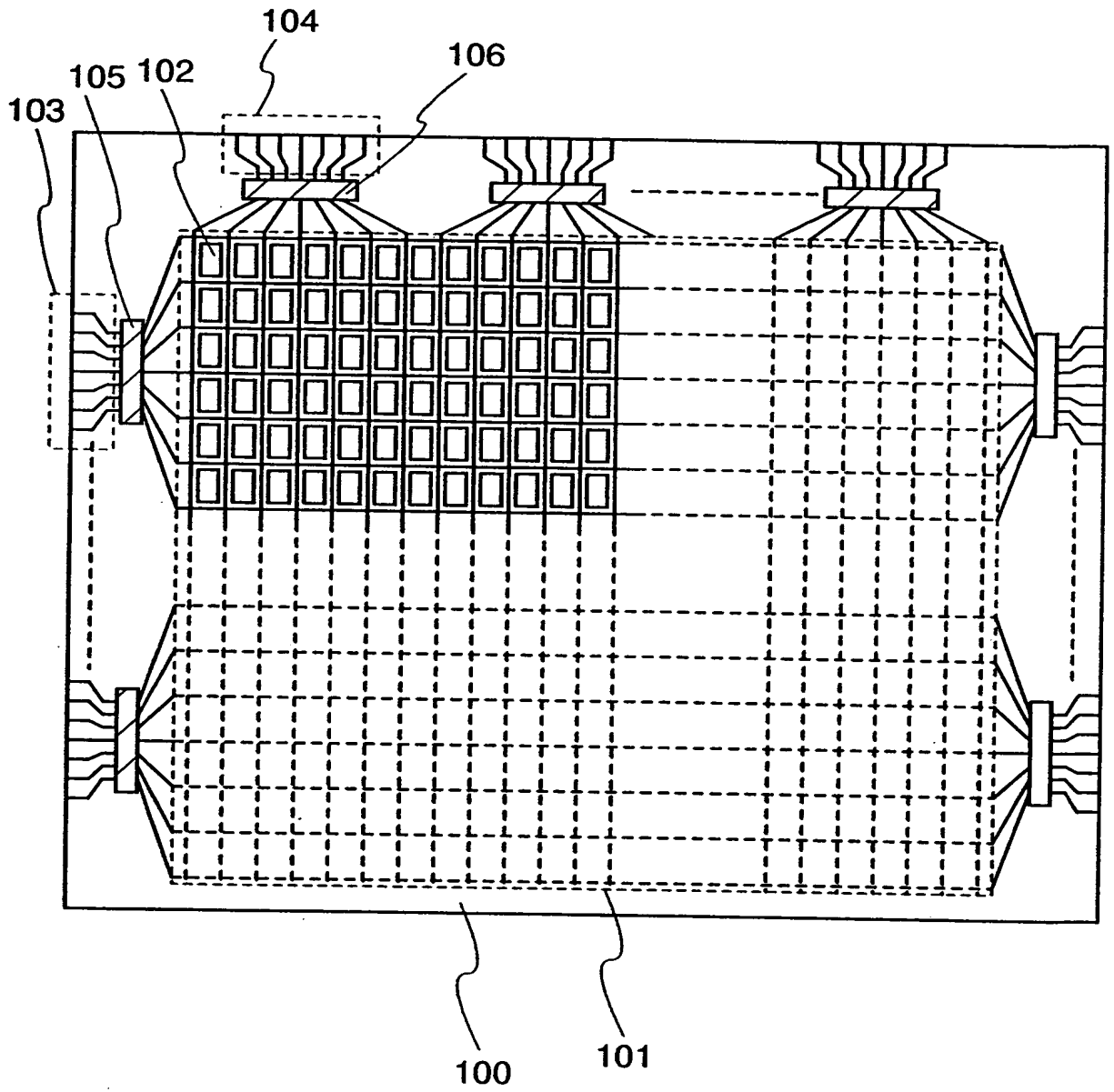


FIG. 2

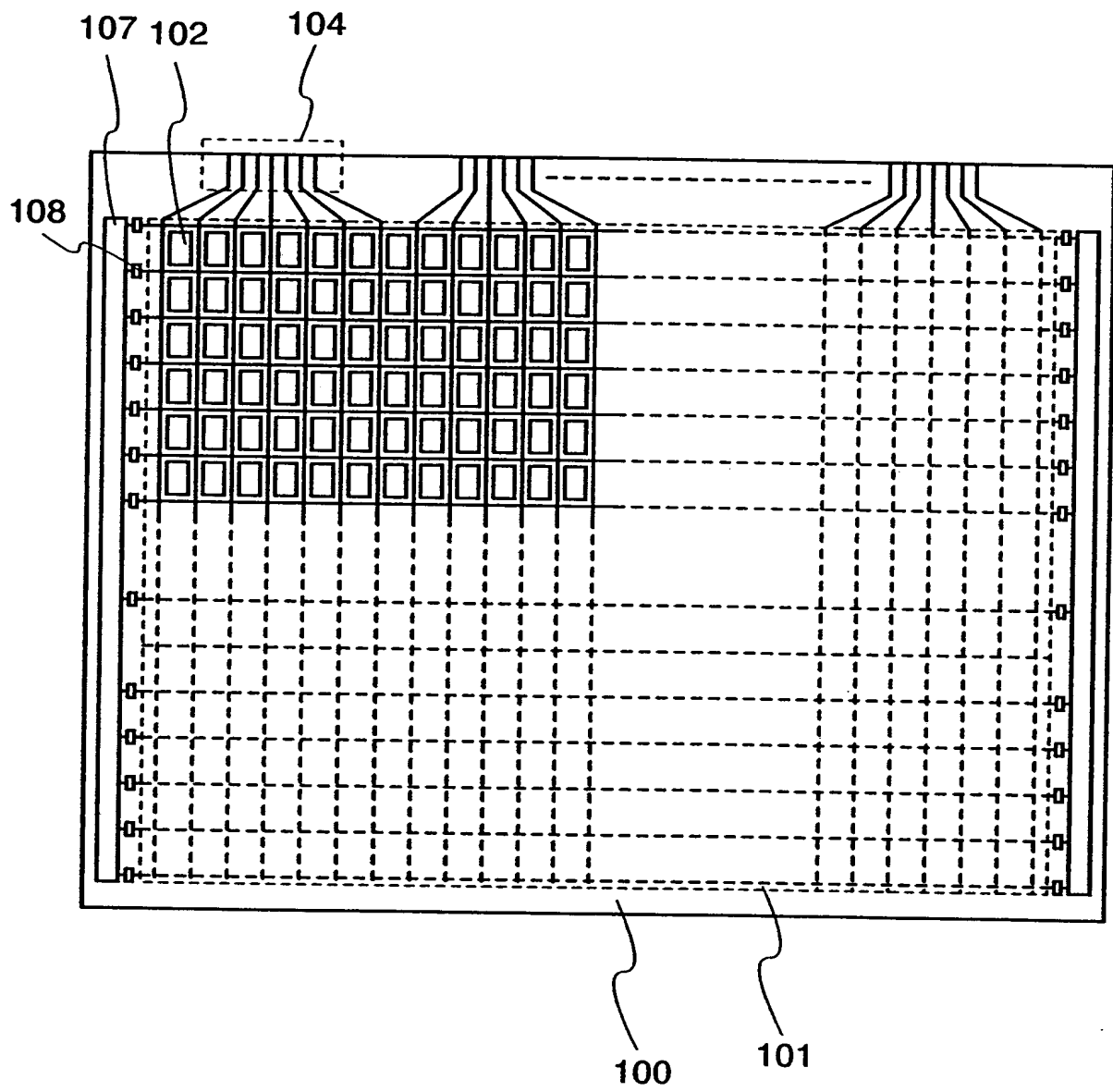


FIG. 3

FIG. 4A

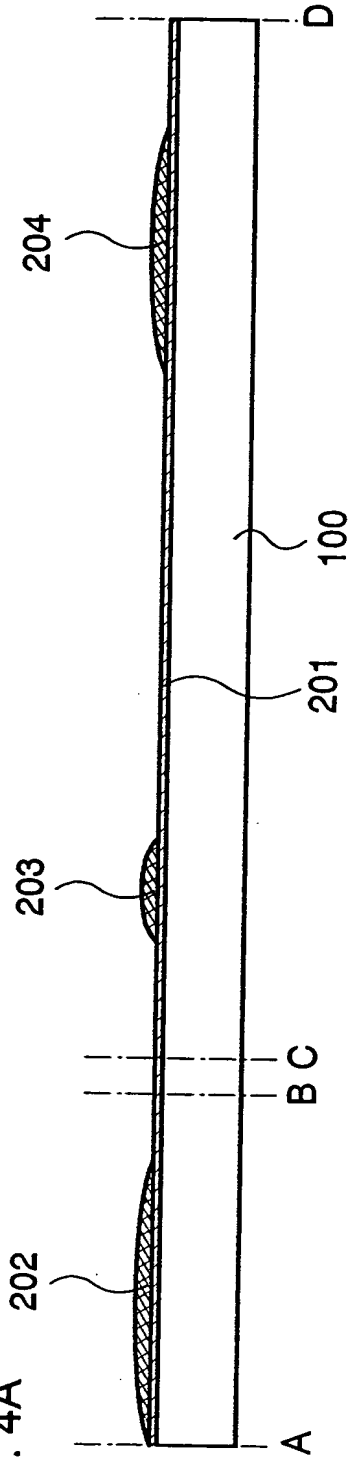


FIG. 4B

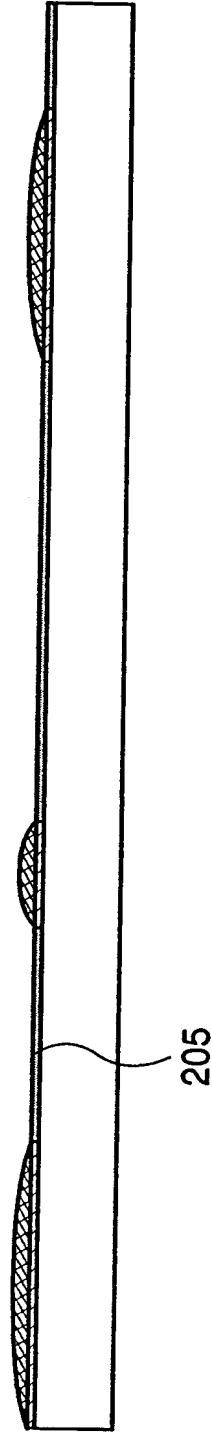
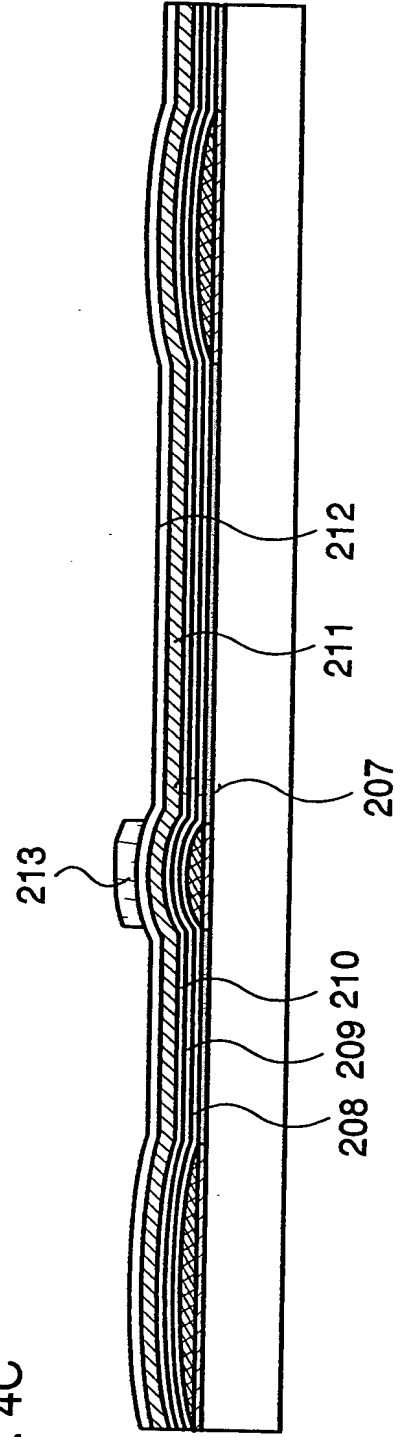


FIG. 4C



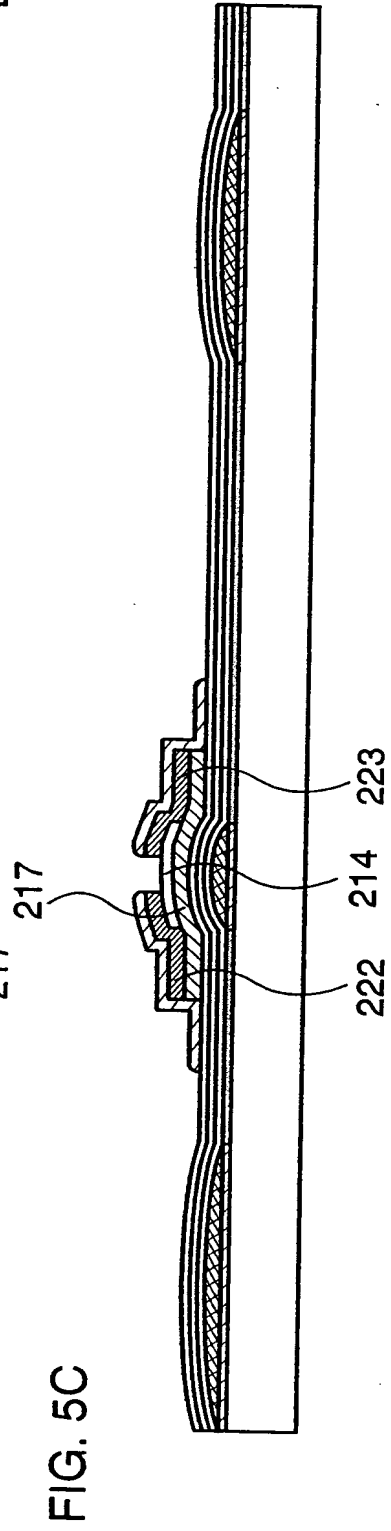
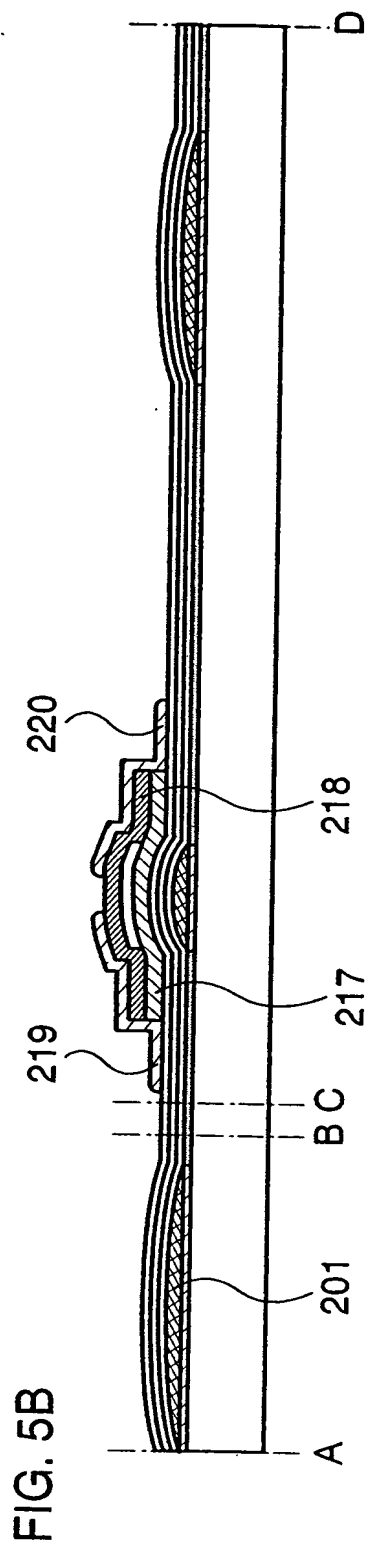
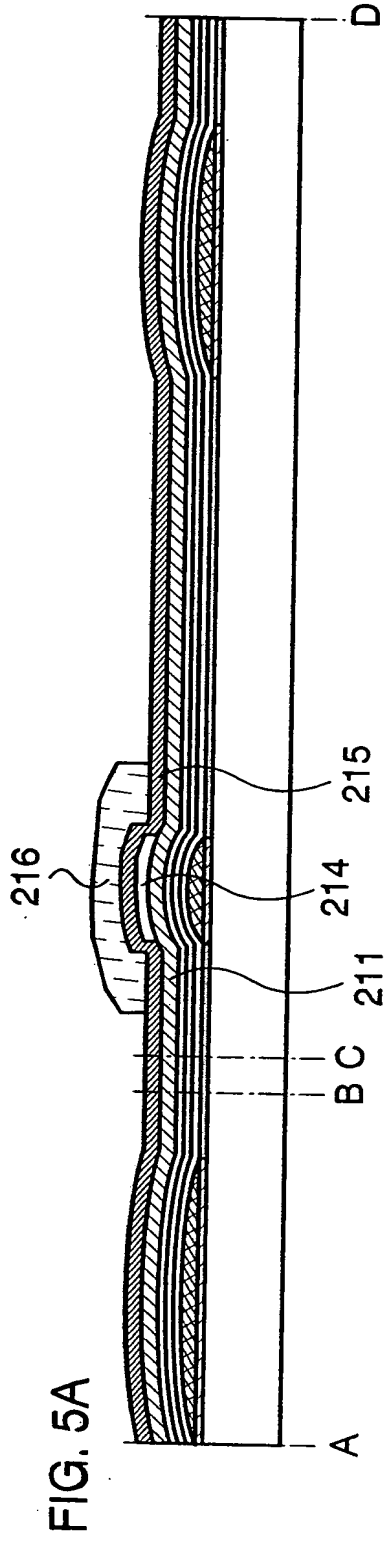


FIG. 6A

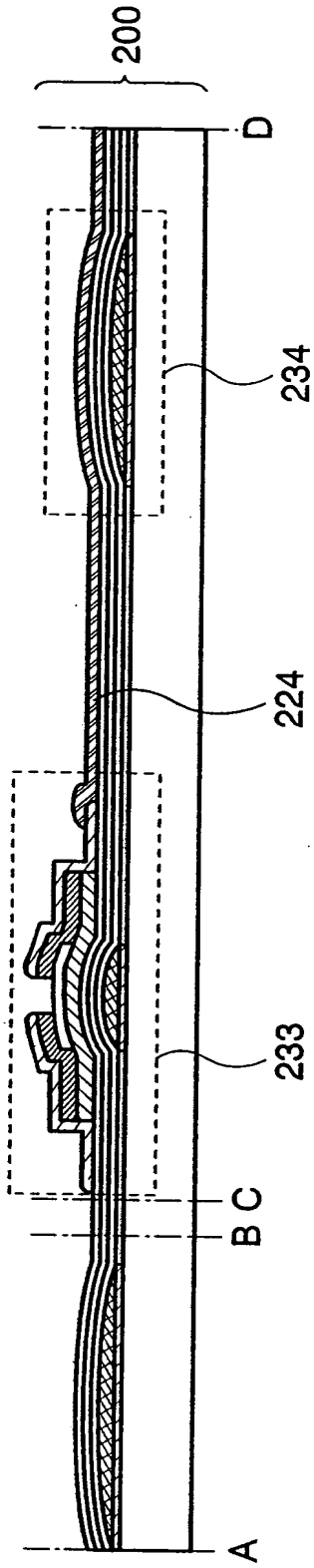


FIG. 6B

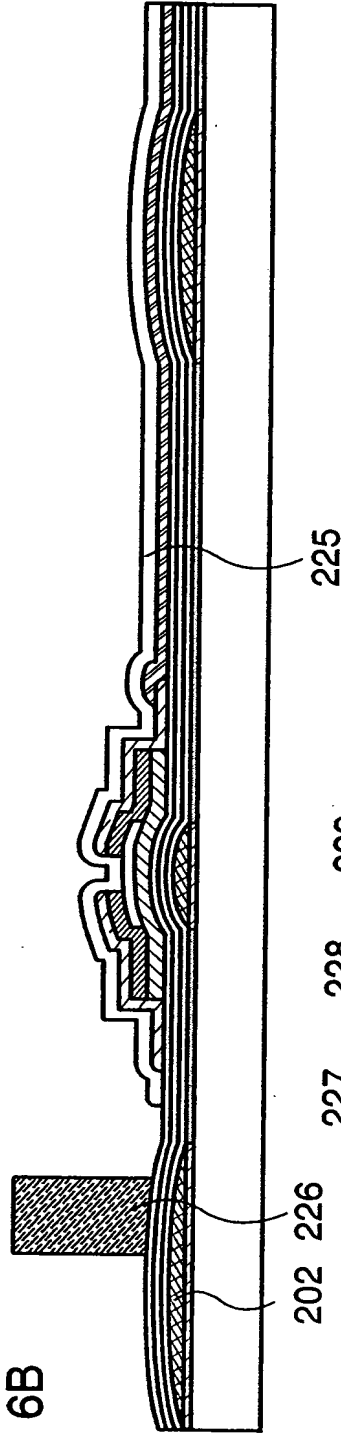
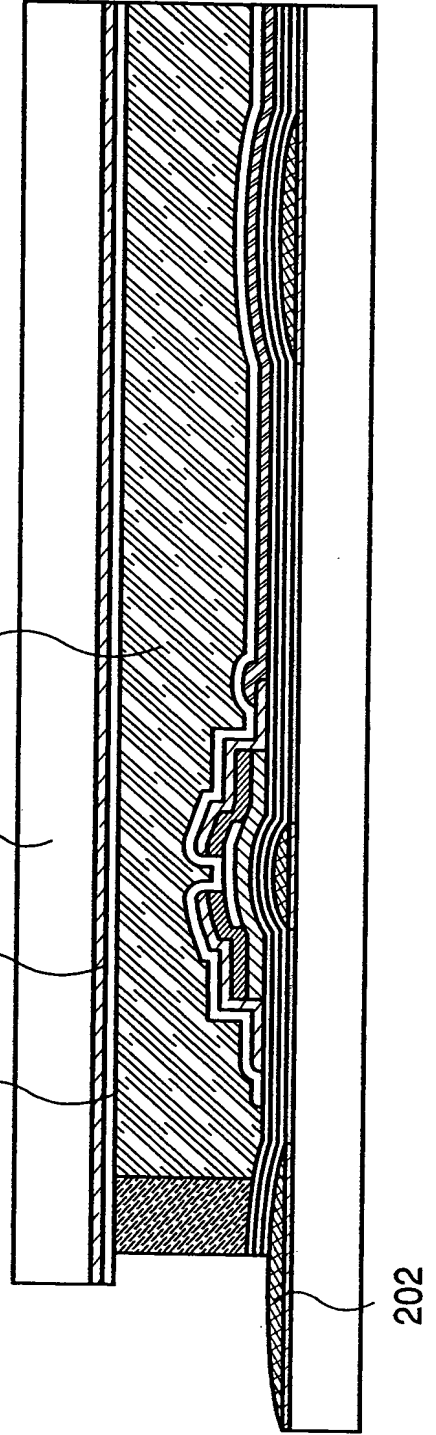


FIG. 6C



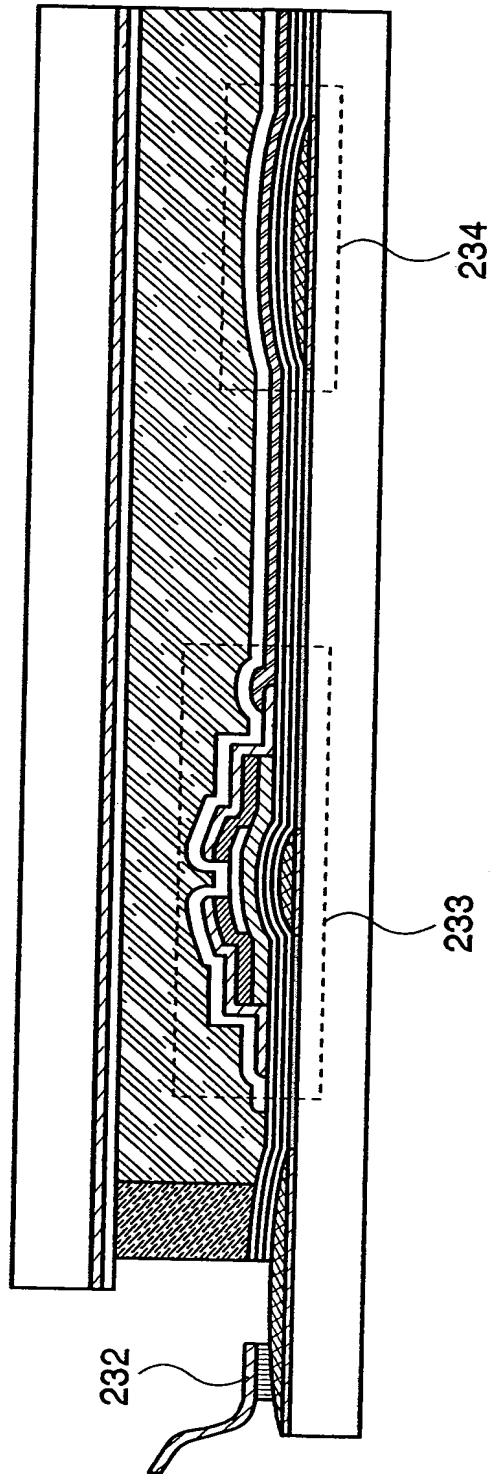


FIG. 7

FIG. 8A

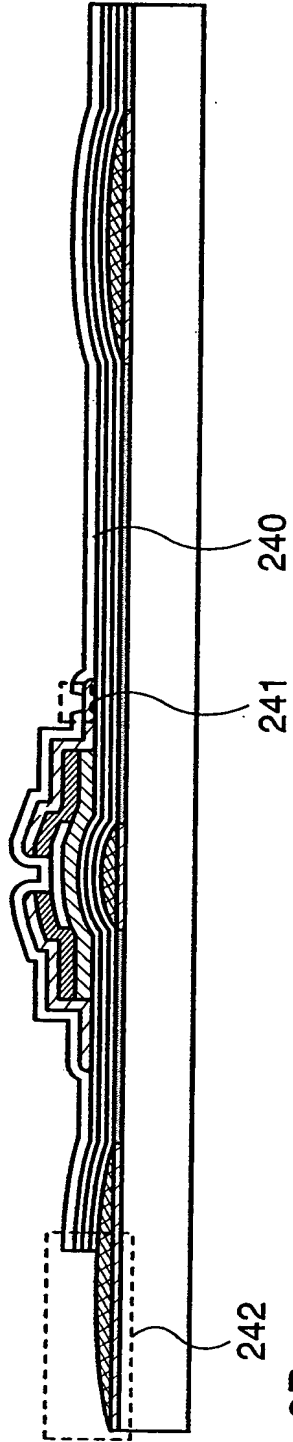
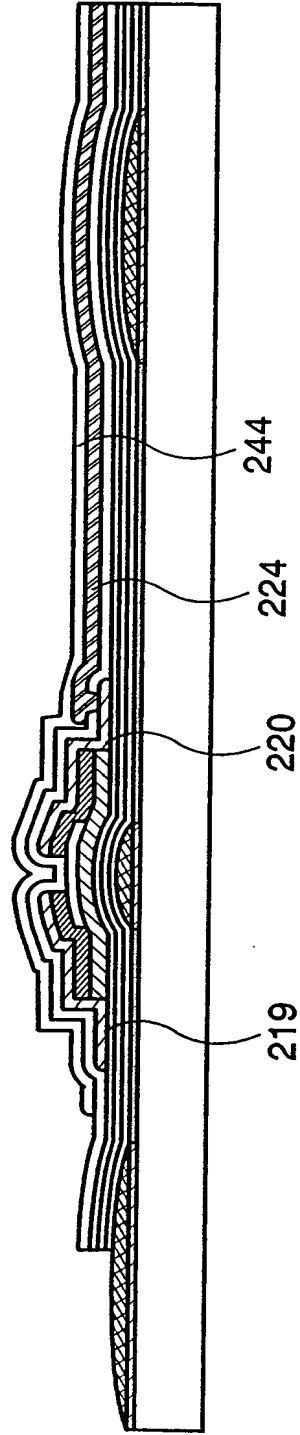


FIG. 8B



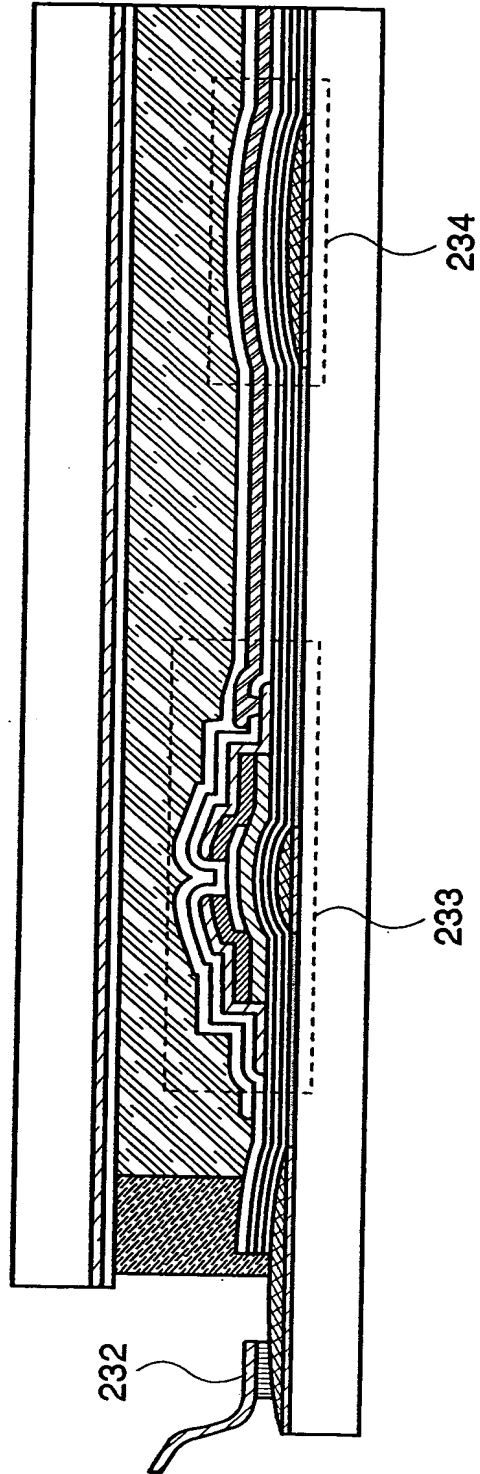


FIG. 9

FIG. 10A

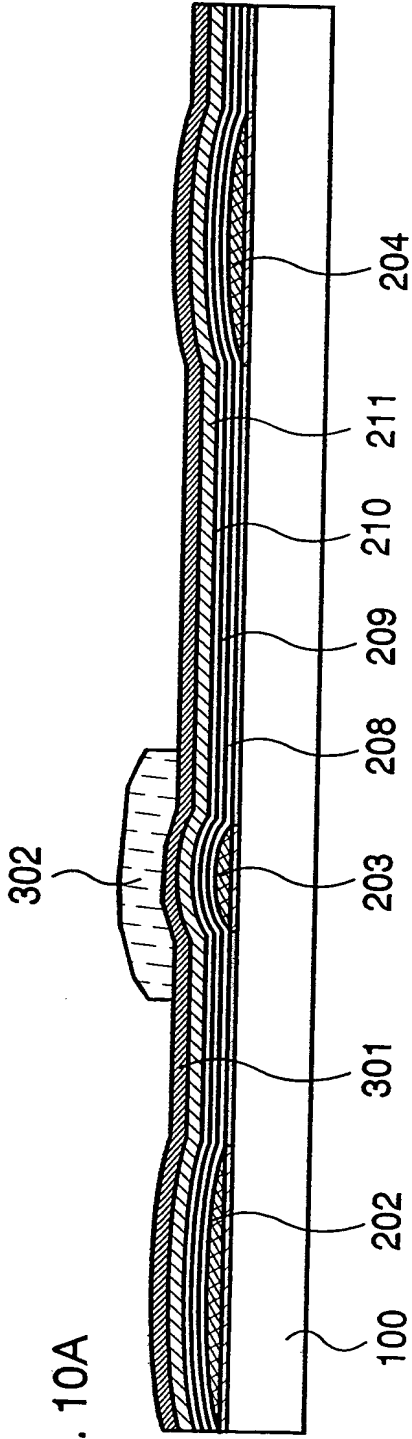


FIG. 10B

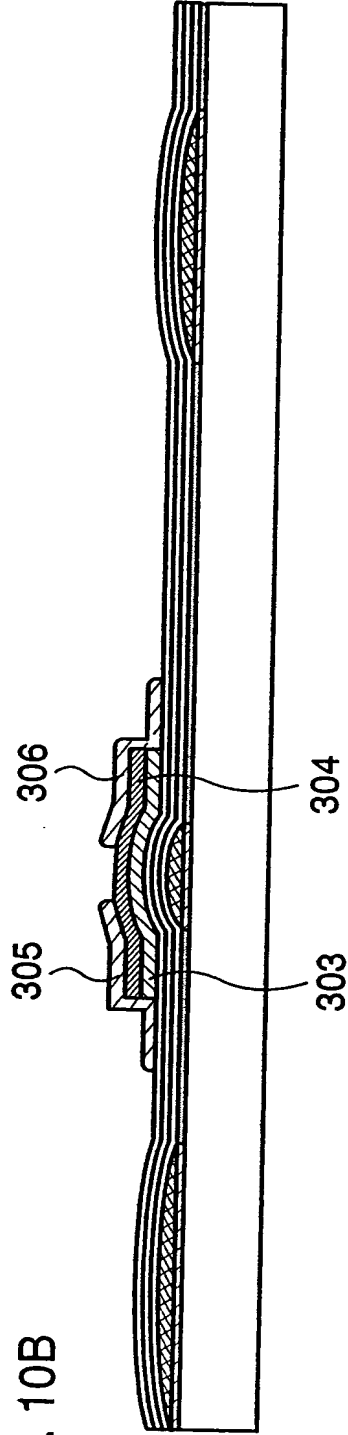
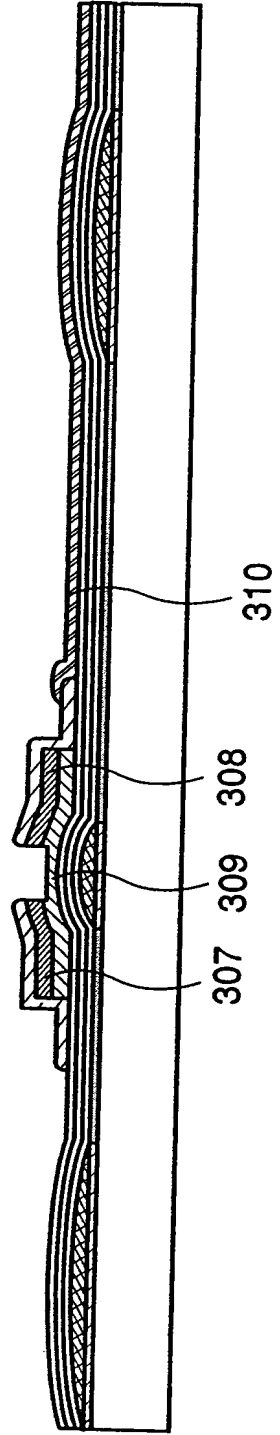


FIG. 10C



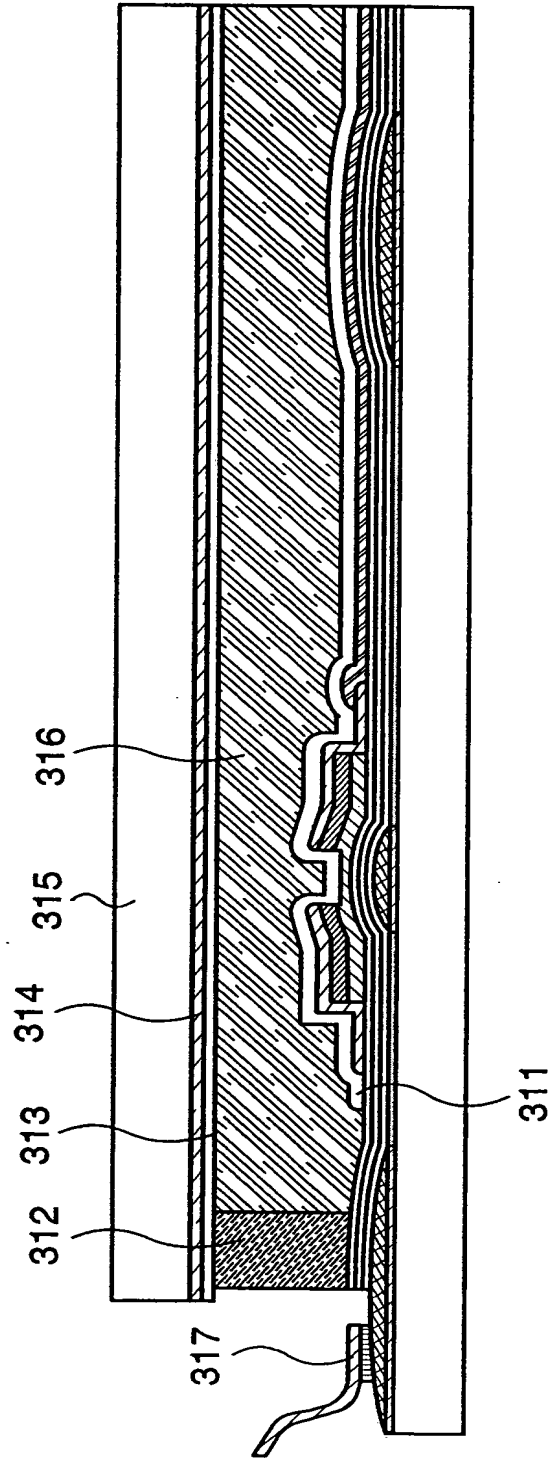


FIG. 11

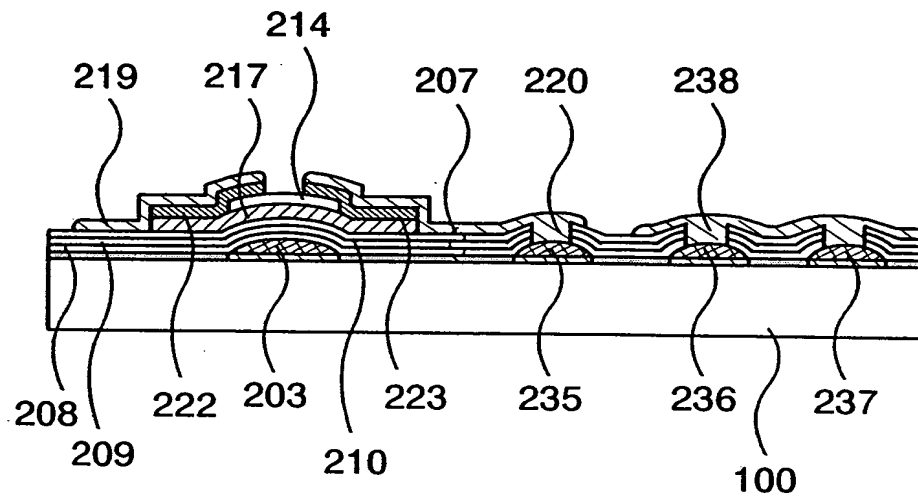


FIG. 12

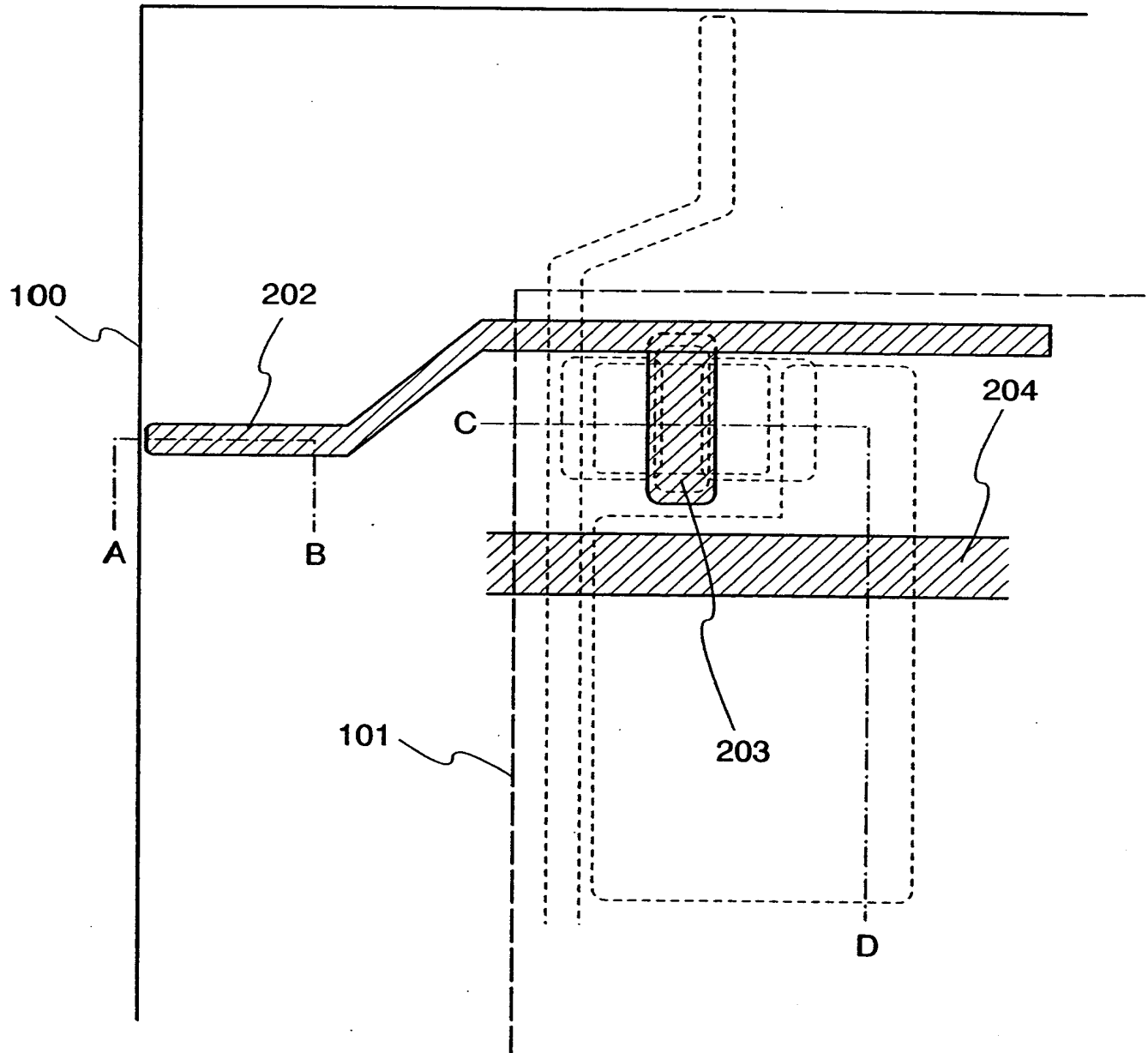


FIG. 13

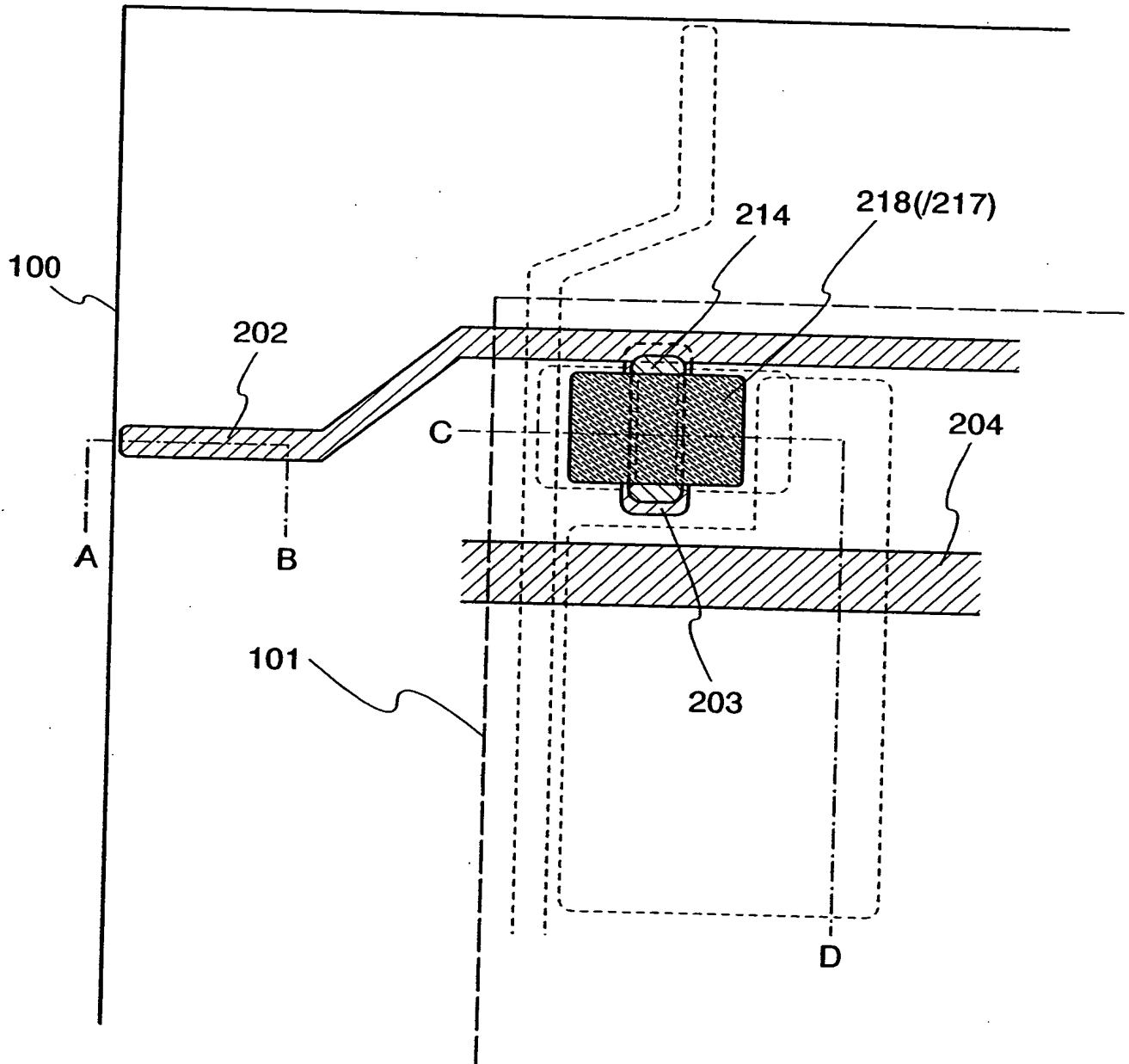


FIG. 14



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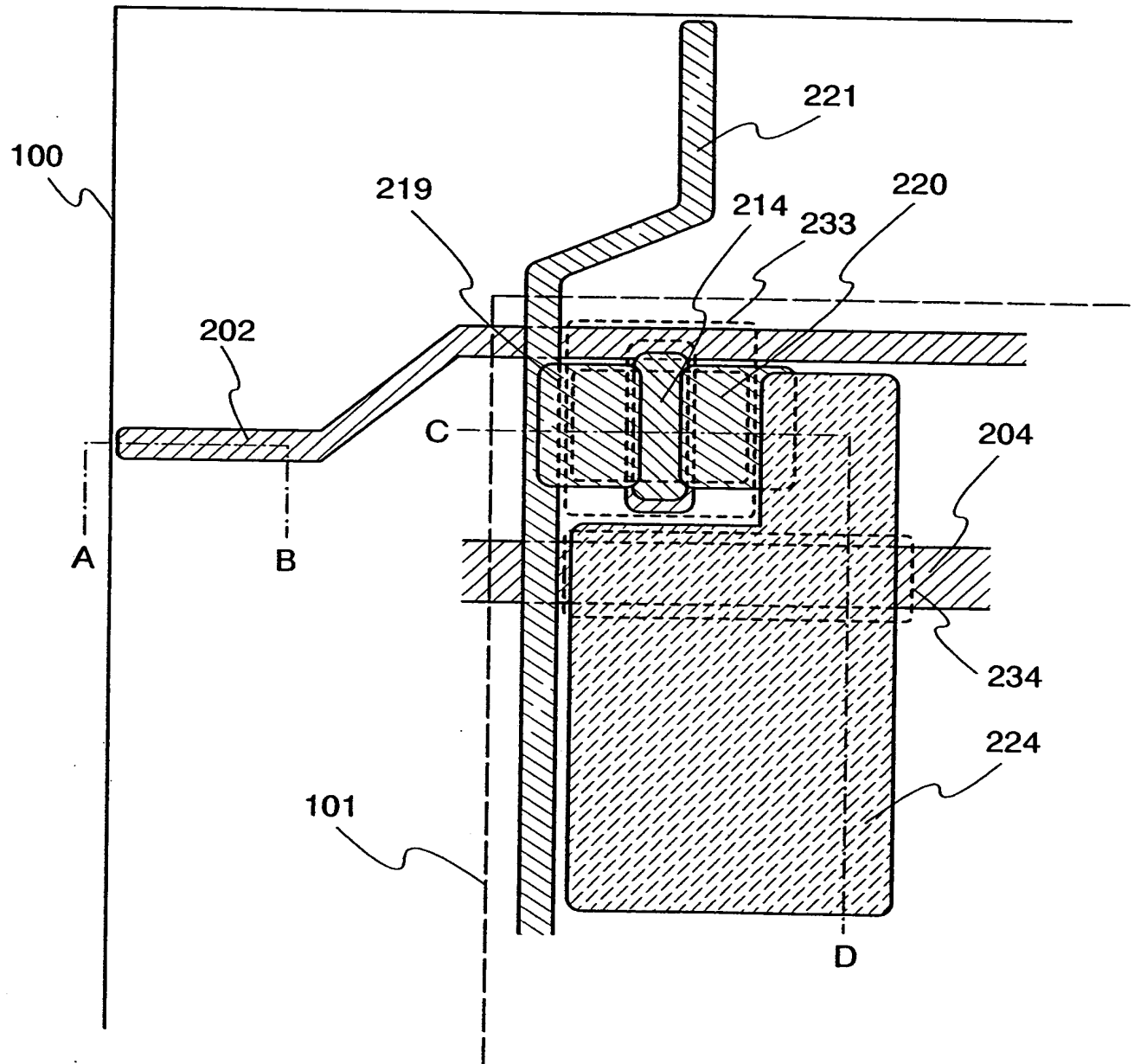


FIG. 16

FIG. 17A

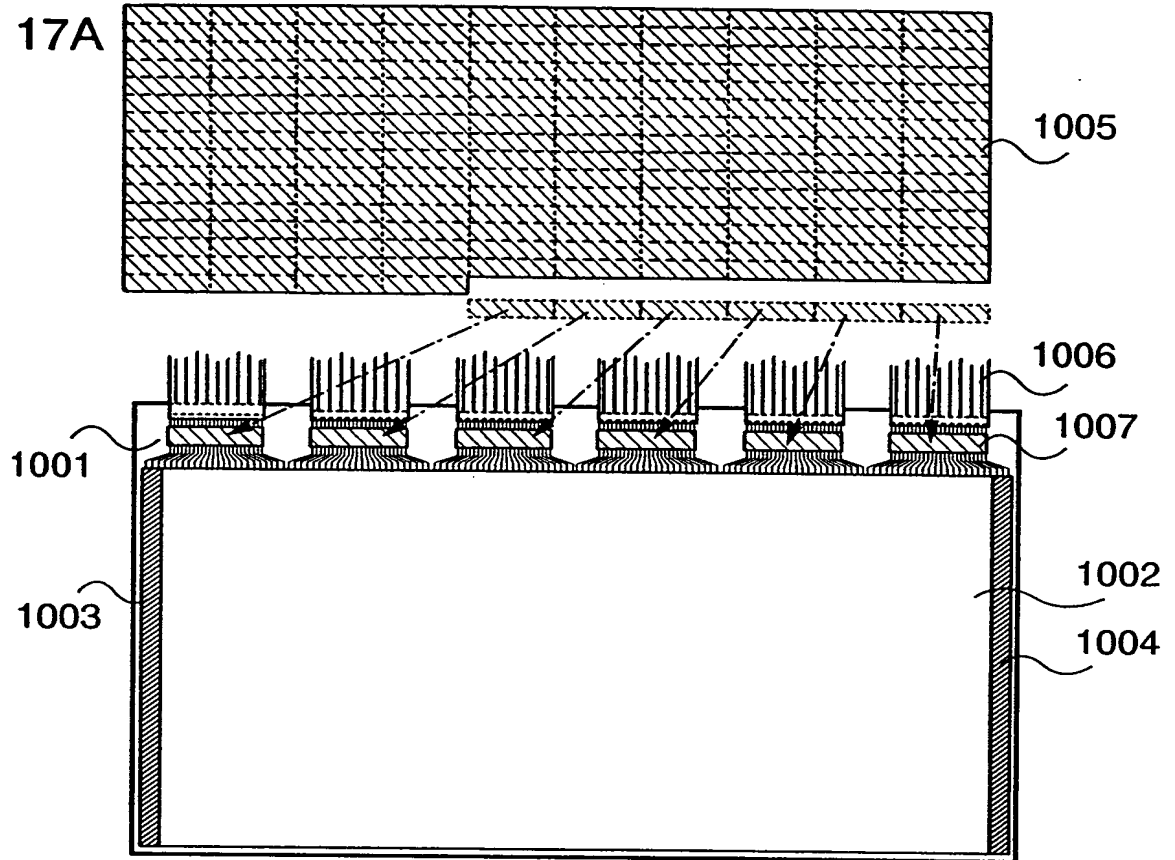


FIG. 17B

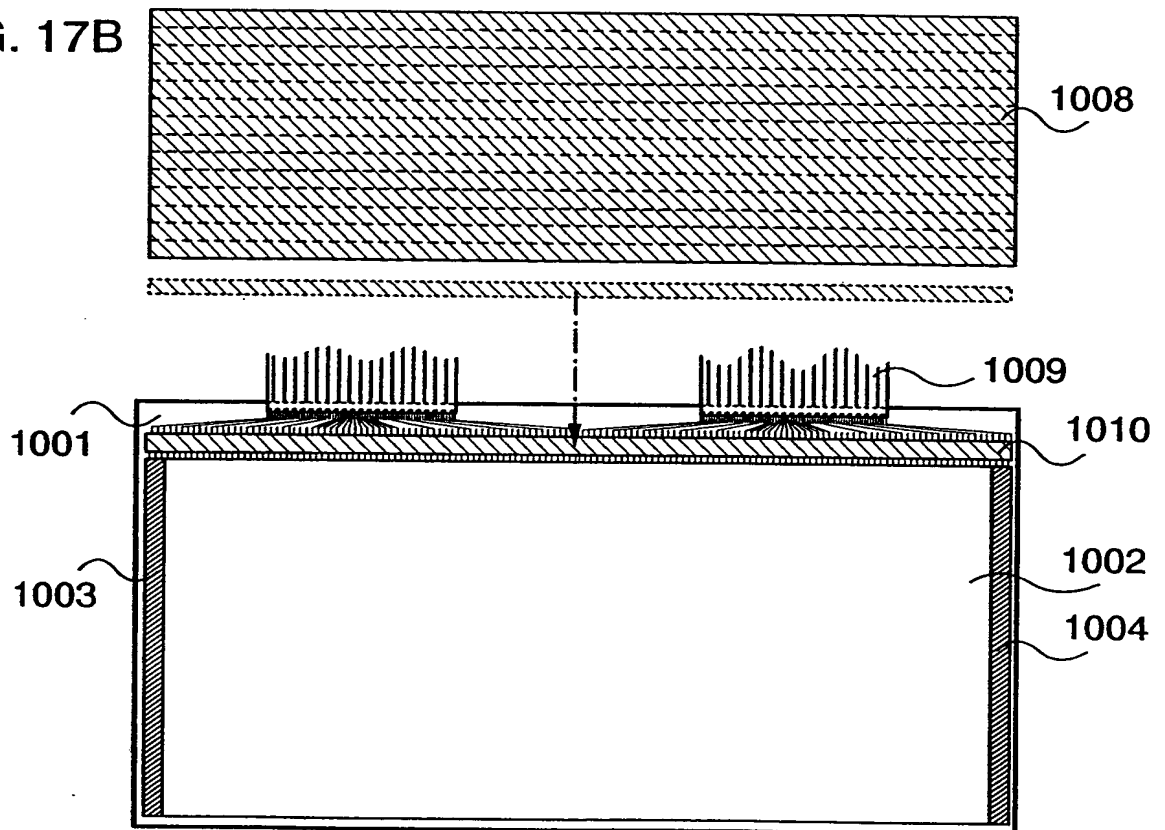


FIG. 18A

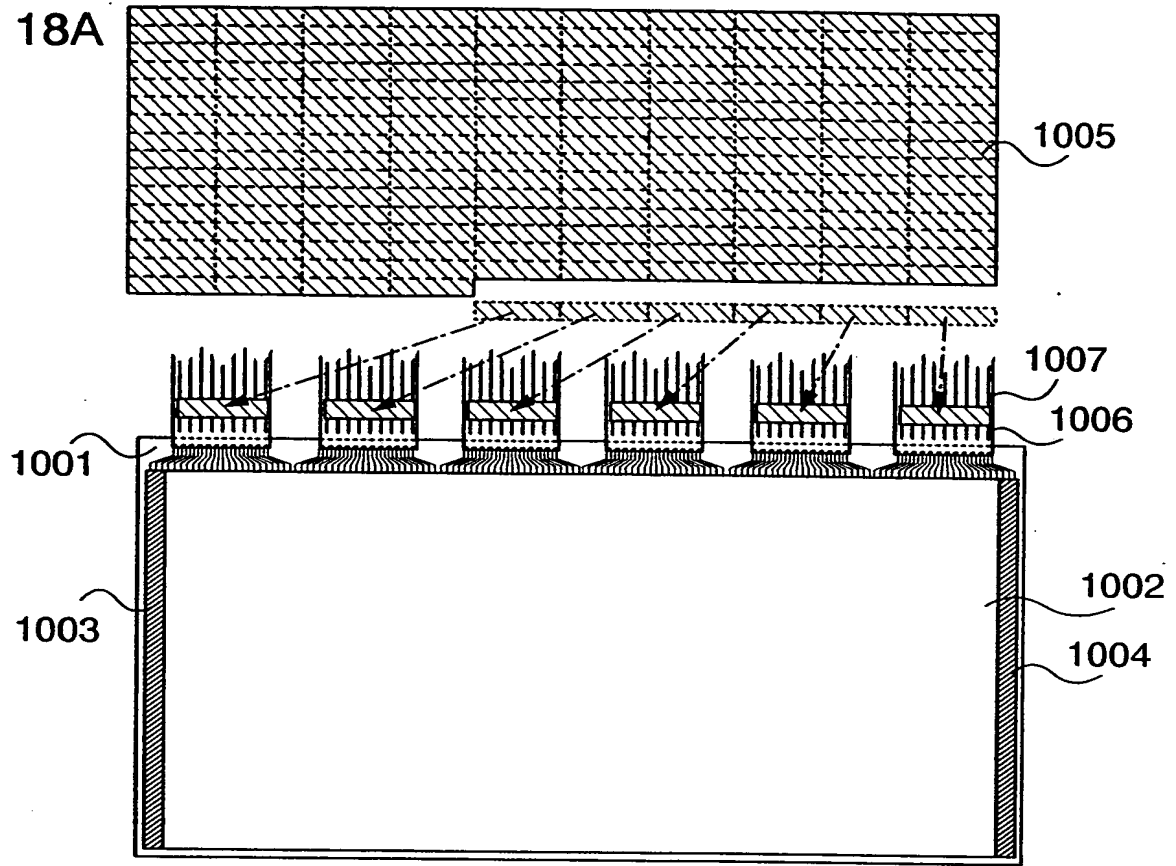
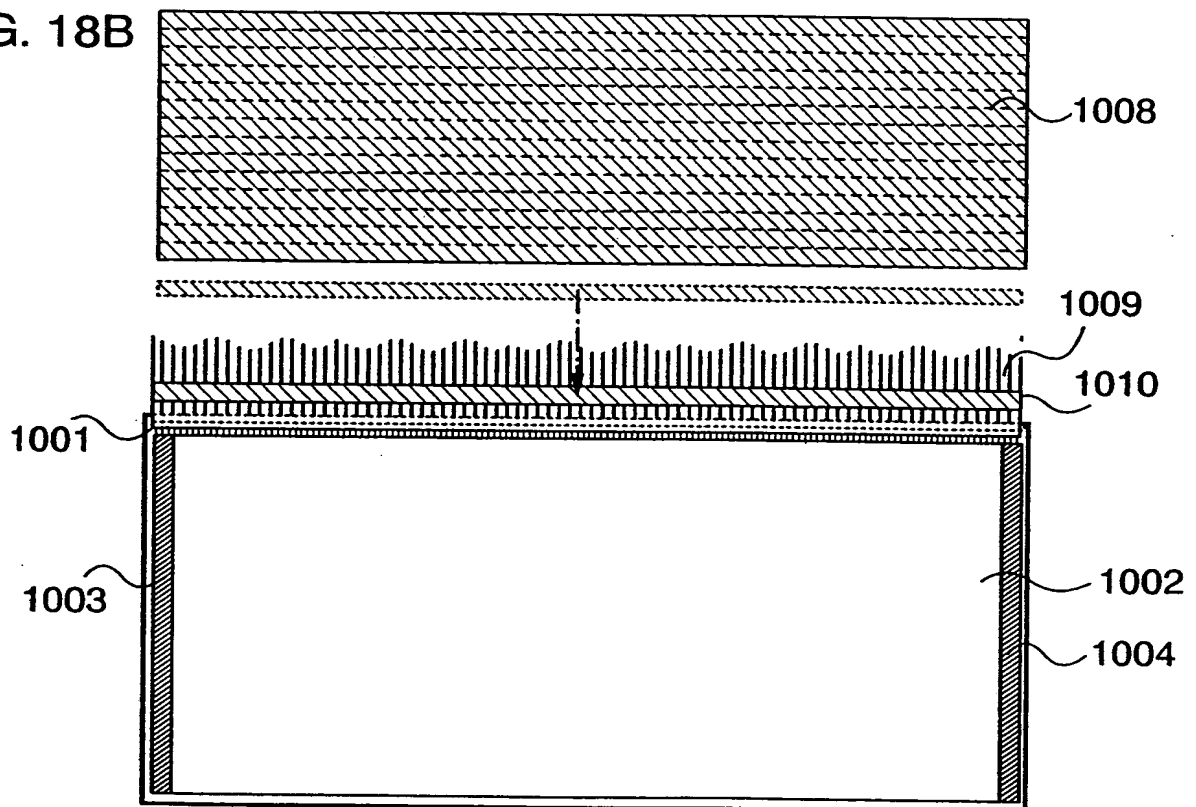


FIG. 18B



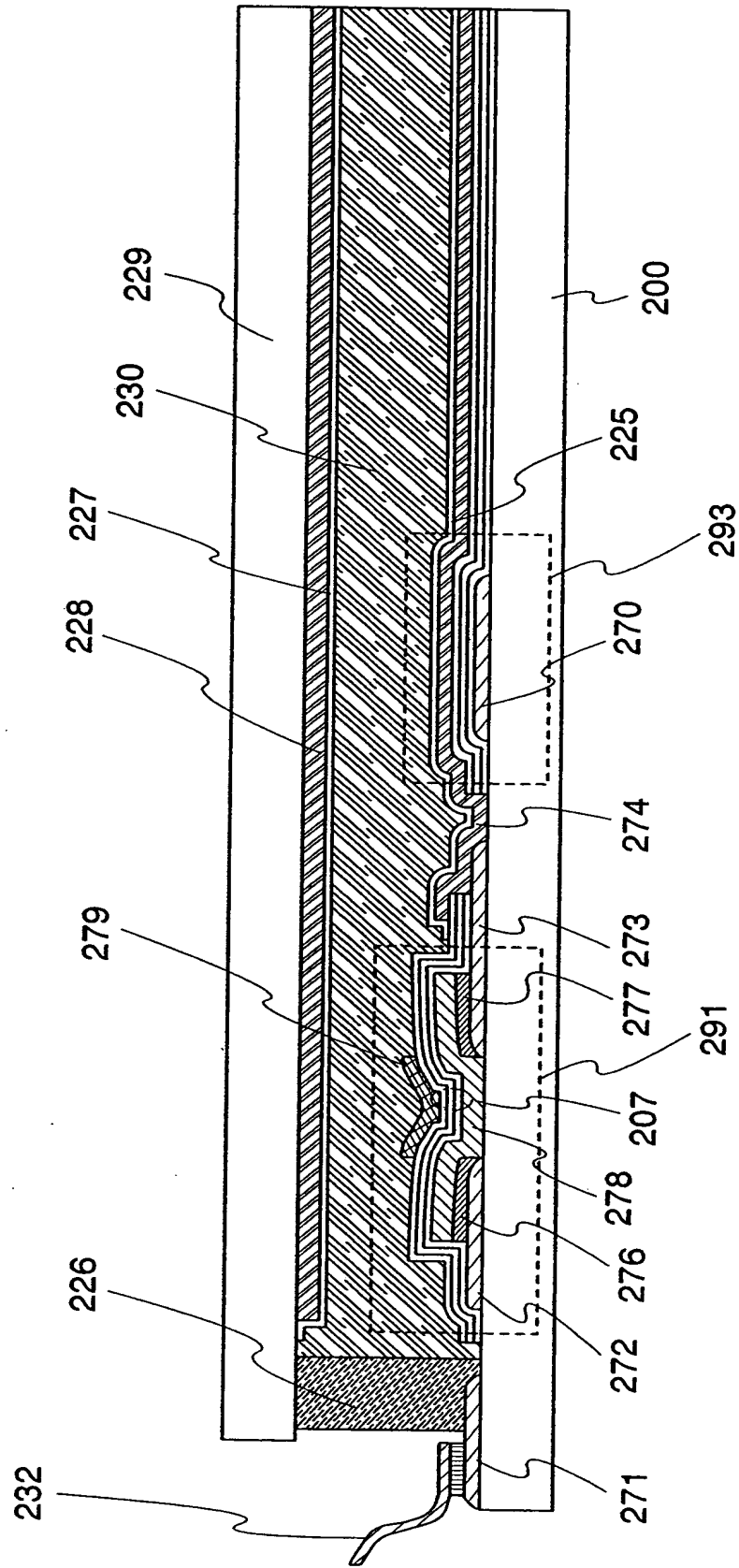


FIG. 19

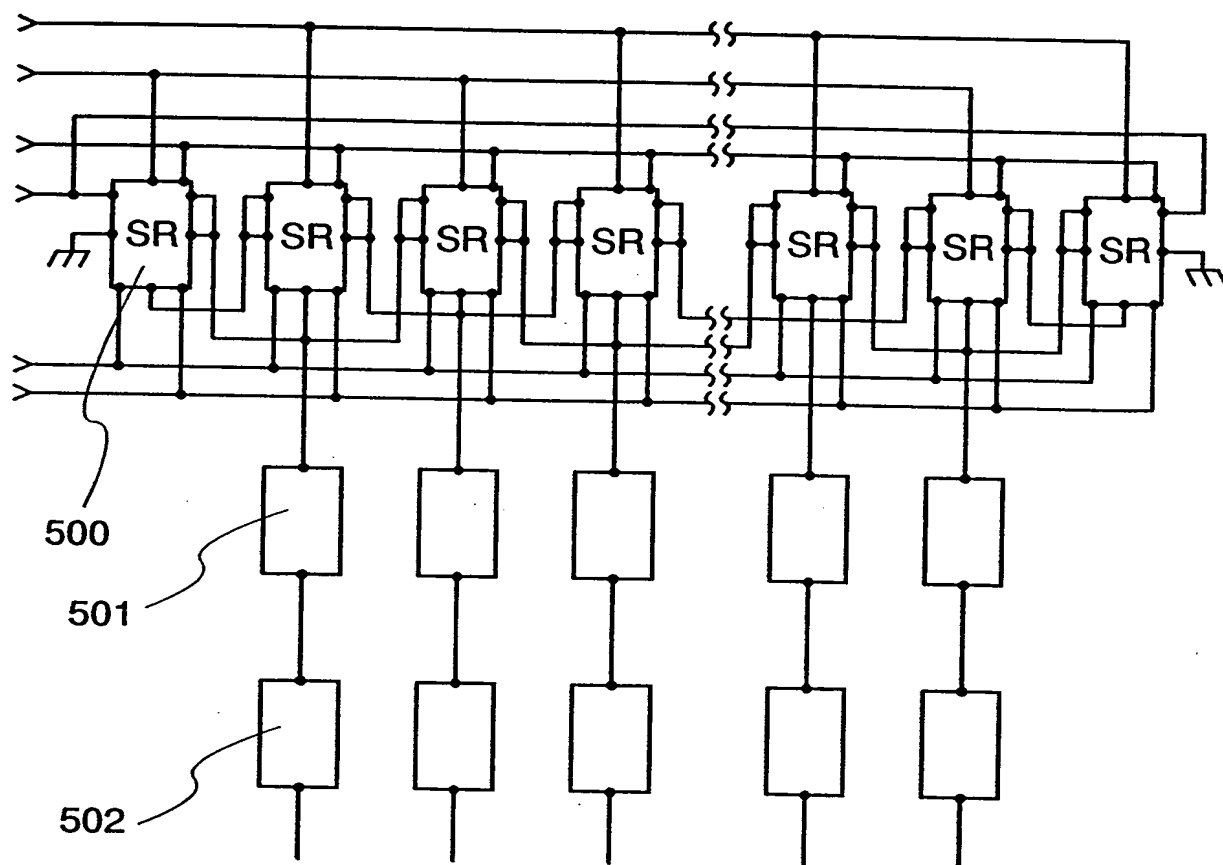


FIG. 20

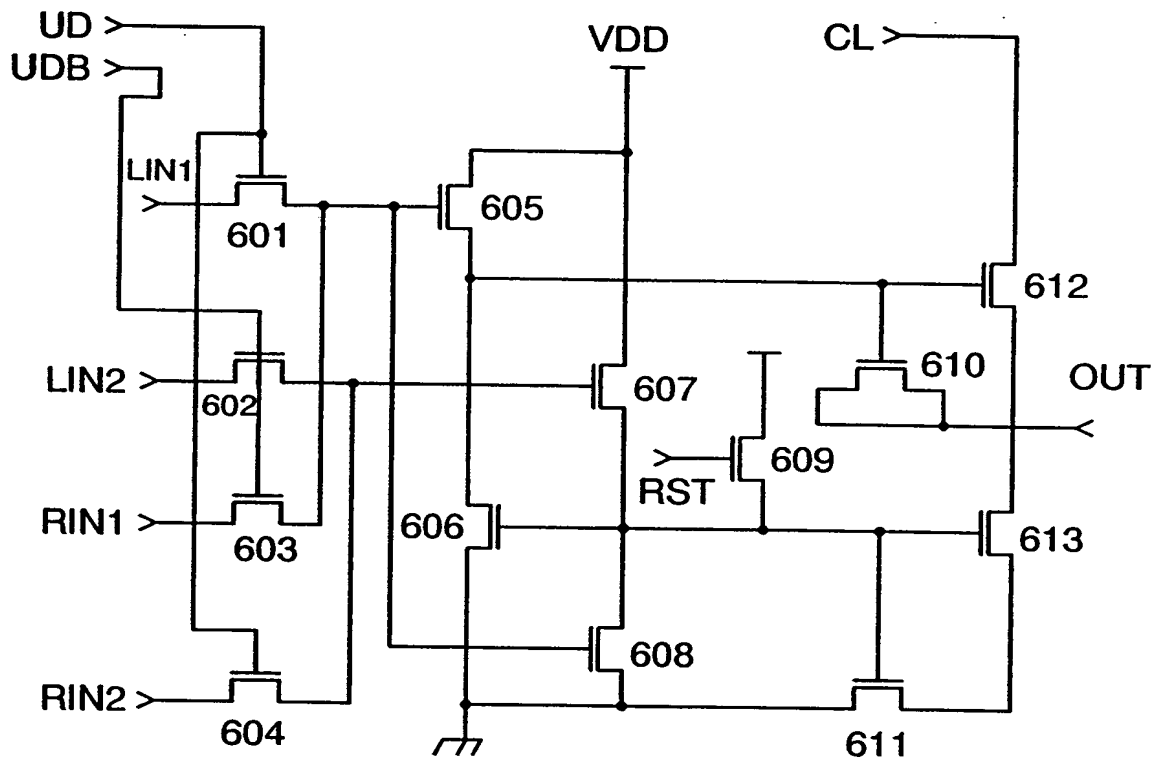


FIG. 21

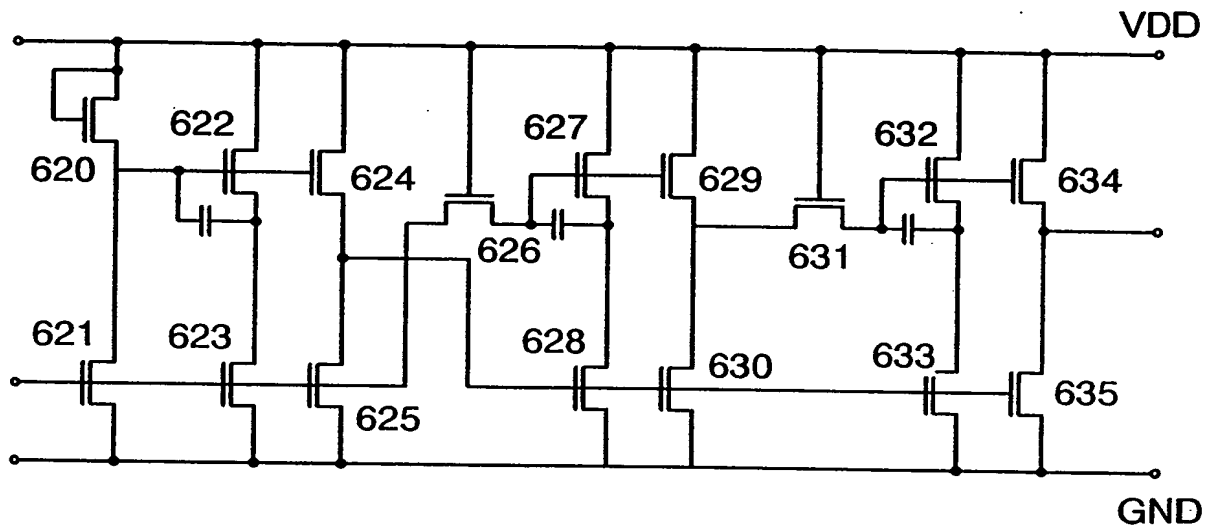


FIG. 22

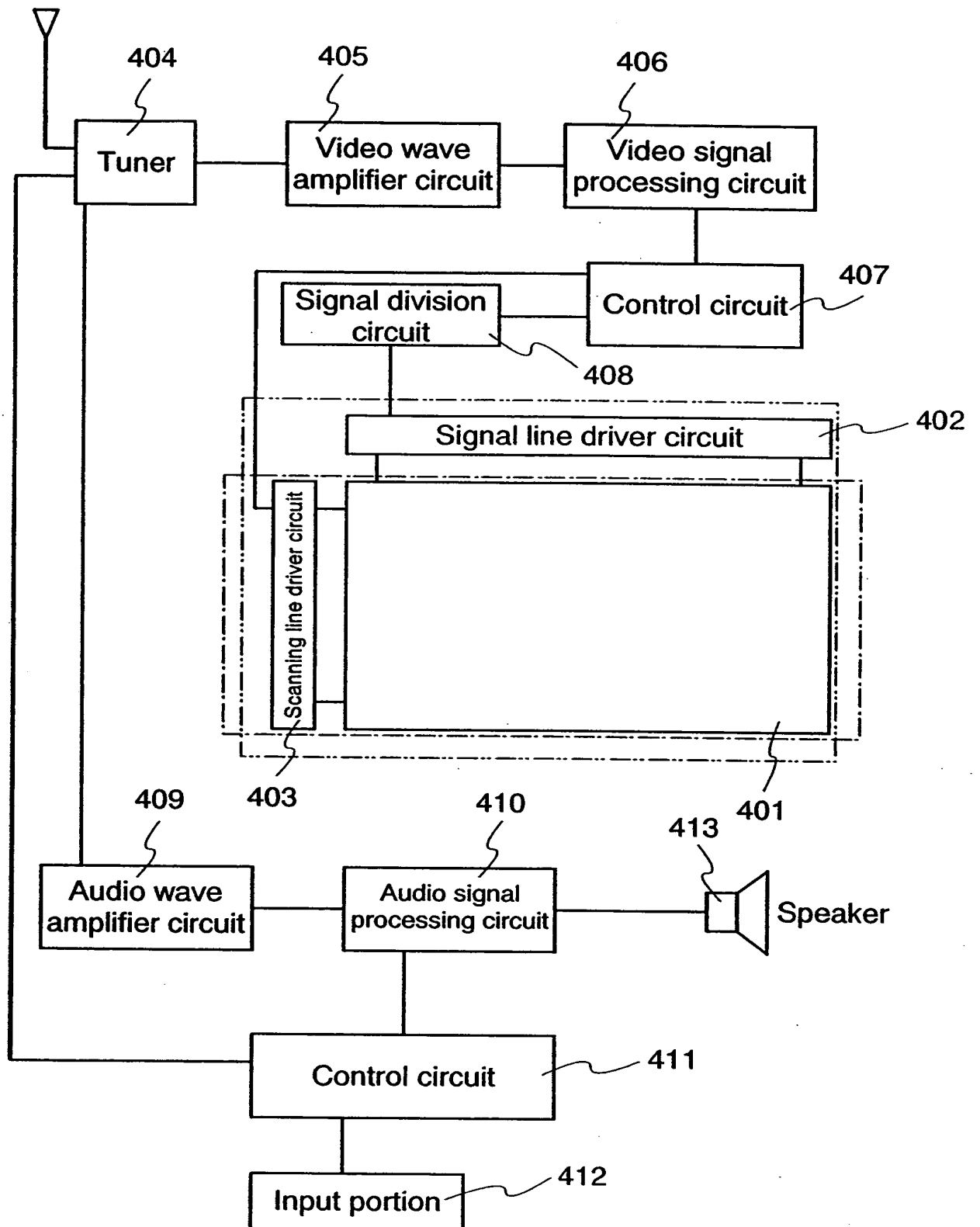


FIG. 23

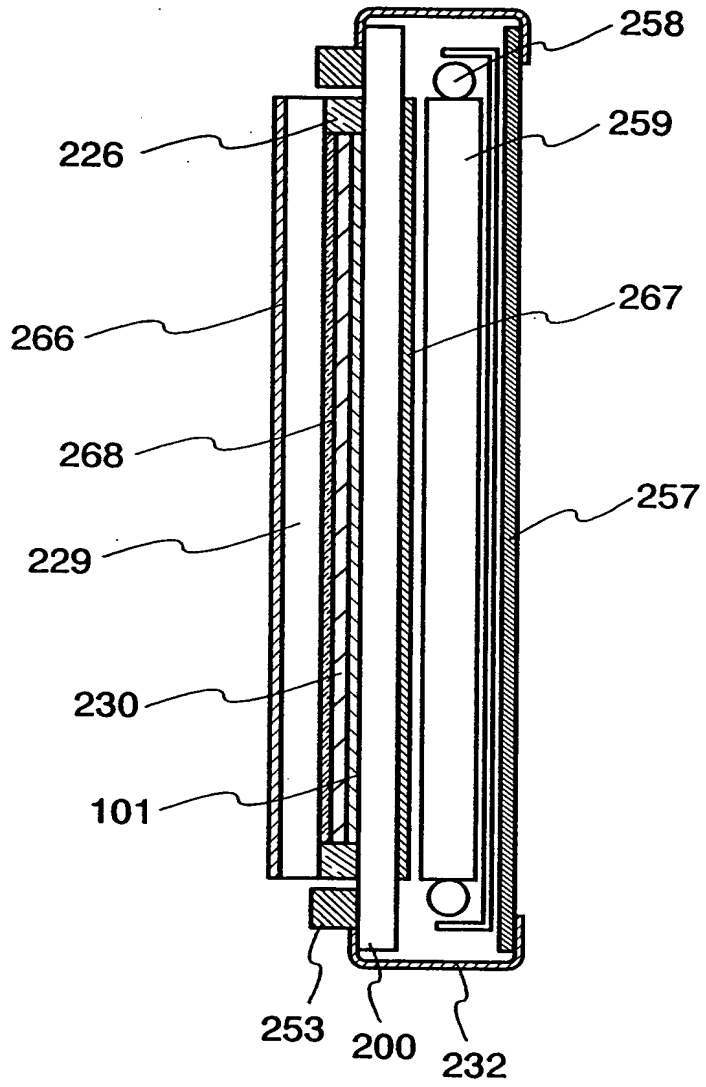


FIG. 24

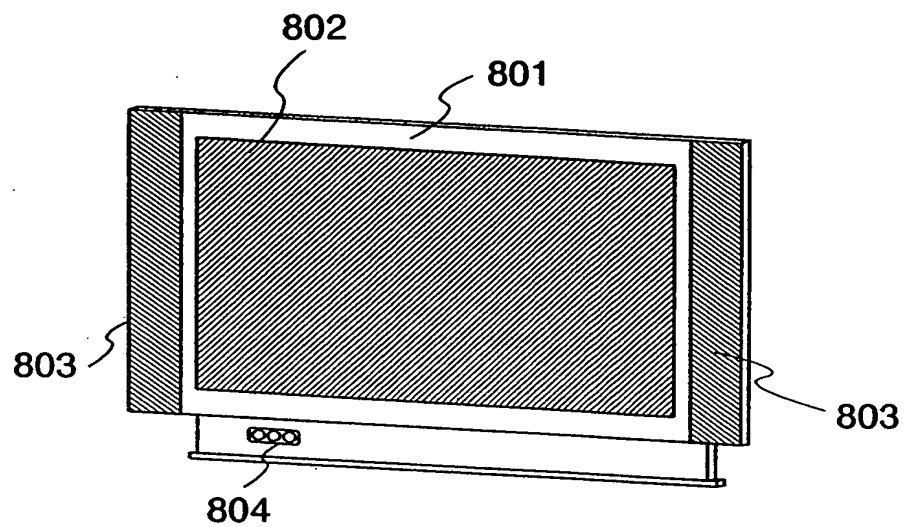


FIG. 25

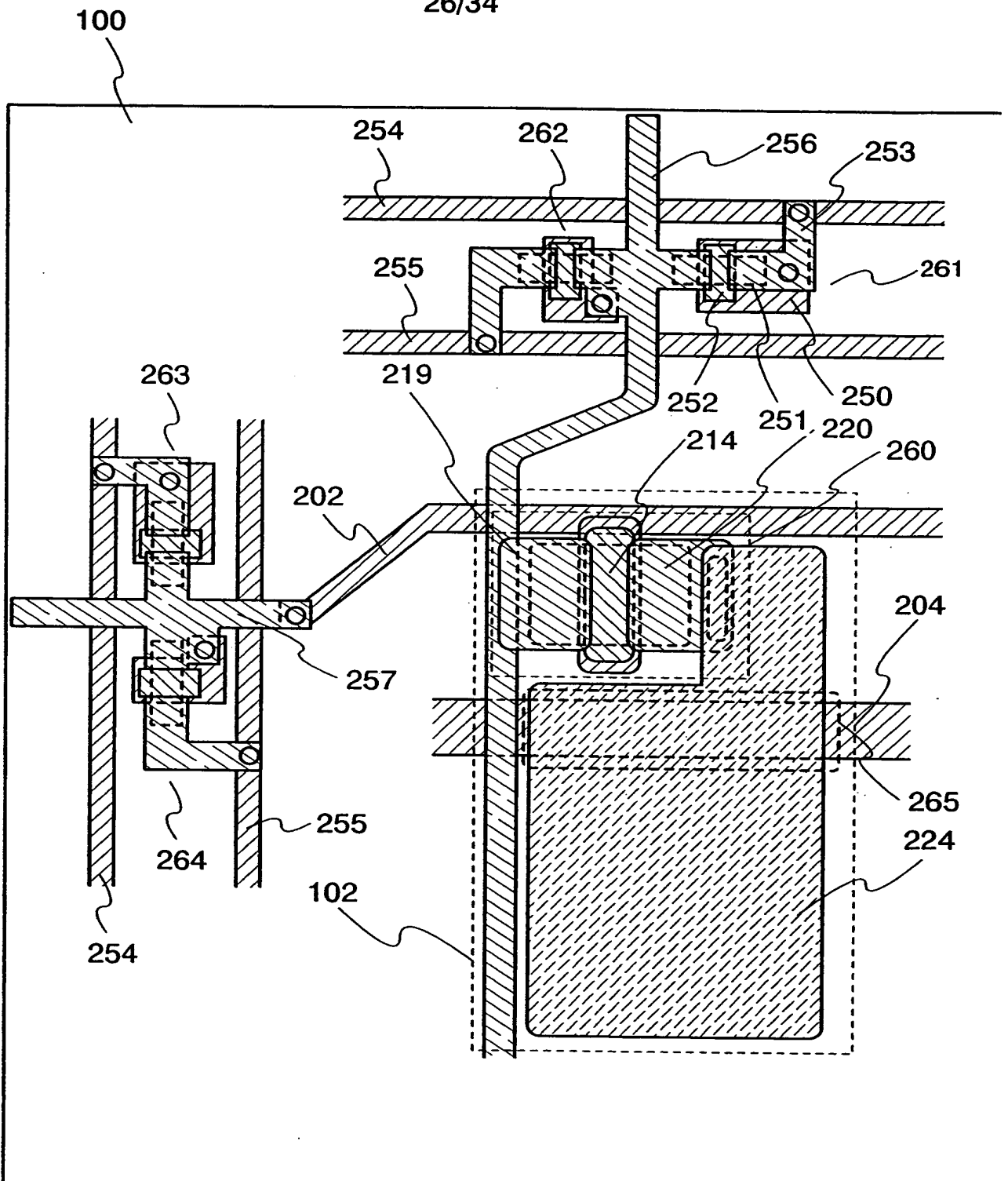


FIG. 26

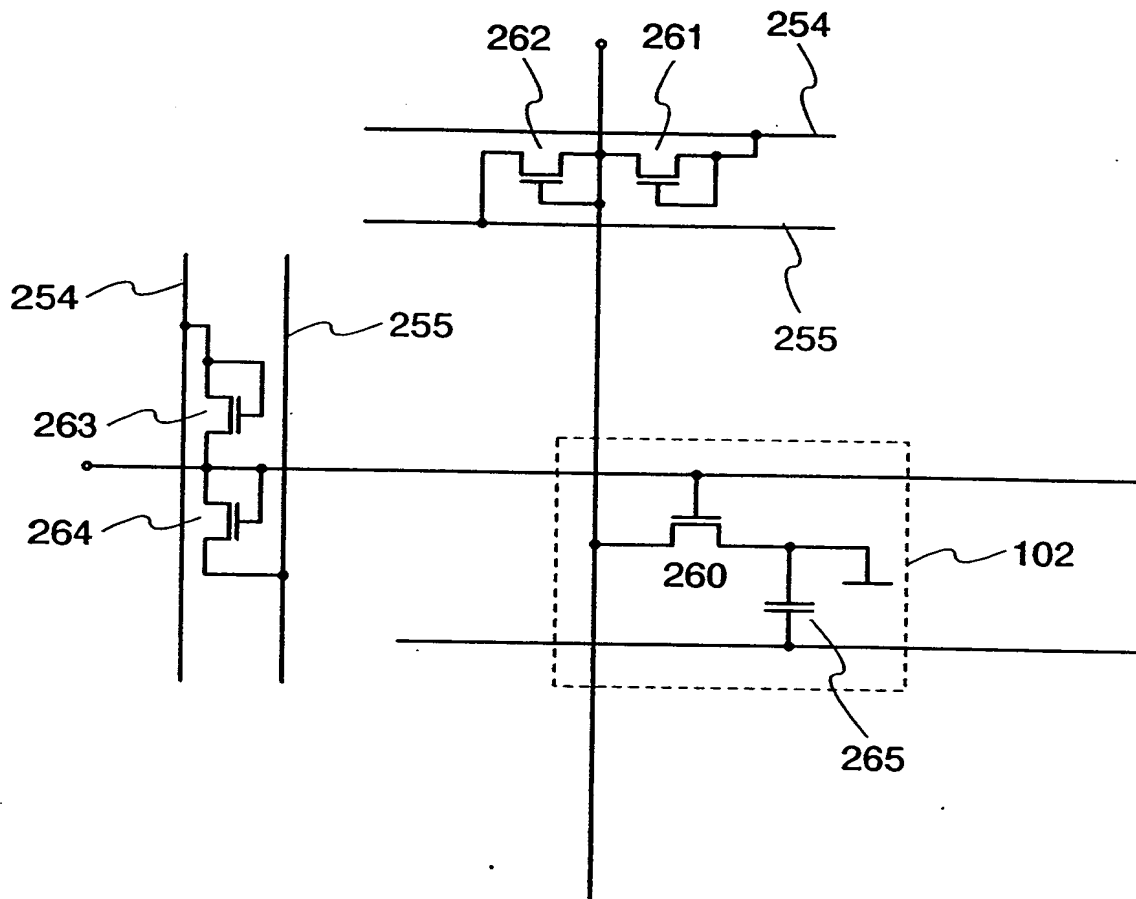


FIG. 27

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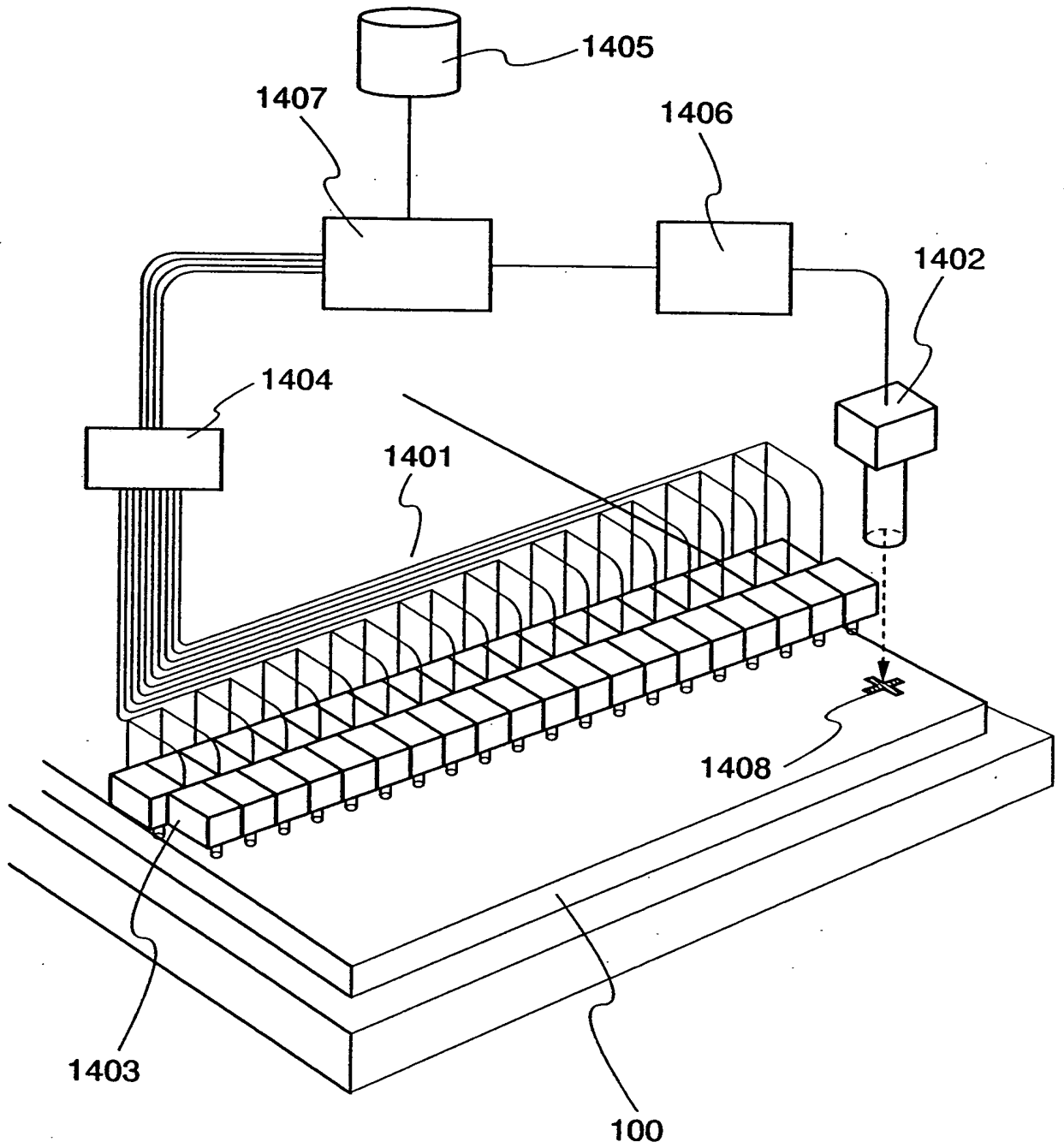


FIG. 28

EXPLANATION OF REFERENCE

- 100 Substrate
- 5 101 Pixel portion
- 102 Pixel
- 103 Scanning line input terminal
- 104 Signal line input terminal
- 105 Scanning line driver IC
- 10 106 Signal line driver IC
- 107 Scanning line driver circuit
- 108 Protective circuit
- 200 TFT substrate
- 201 Conductive layer
- 15 202 Wiring
- 203 Gate electrode
- 204 Capacitor wiring
- 205 Insulating layer
- 207 Gate insulating layer
- 20 208 First insulating layer
- 209 Second insulating layer
- 210 Third insulating layer
- 211 Semiconductor layer
- 212 Insulating layer
- 25 213 Mask
- 214 Insulating layer
- 215 N-type semiconductor layer
- 216 Mask
- 217 Semiconductor layer
- 30 218 N-type semiconductor layer

- 219 Wiring
- 220 Wiring
- 221 Wiring
- 222 N-type semiconductor layer
- 5 223 N-type semiconductor layer
- 224 First electrode
- 225 Insulating layer
- 226 Sealant
- 227 Insulating layer
- 10 228 Second electrode
- 229 Opposite substrate
- 230 Liquid crystal layer
- 232 Wiring board
- 233 Switching TFT
- 15 234 Capacitor element
- 235 Connection wiring
- 236 Connection wiring
- 237 Connection wiring
- 238 Connection wiring
- 20 240 Insulating layer
- 241 Opening
- 242 Opening
- 244 Alignment film
- 250 Gate electrode
- 25 251 Semiconductor layer
- 252 Insulating layer for channel protection
- 253 Wiring
- 254 Common potential line
- 255 Common potential line
- 30 256 Wiring

- 257 Circuit board
- 258 Cold cathode tube
- 259 Light conducting plate
- 260 TFT
- 5 261 Protective diode
- 262 Protective diode
- 263 Protective diode
- 264 Protective diode
- 265 Capacitor element
- 10 266 Polarizing plate
- 267 Polarizing plate
- 268 Colored layer
- 270 Capacitor wiring
- 271 Wiring
- 15 272 Wiring
- 273 Wiring
- 274 First electrode
- 276 N-type semiconductor layer
- 277 N-type semiconductor layer
- 20 278 Semiconductor layer
- 279 Gate electrode
- 291 Switching TFT
- 293 Capacitor portion
- 301 N-type semiconductor layer
- 25 302 Mask
- 303 Semiconductor layer
- 304 N-type semiconductor layer
- 305 Wiring
- 306 Wiring
- 30 307 N-type semiconductor layer

- 308 N-type semiconductor layer
- 309 Semiconductor layer
- 310 First electrode
- 311 Insulating layer
- 5 312 Sealant
- 313 Alignment film
- 314 Opposite electrode
- 315 Substrate
- 316 Liquid crystal layer
- 10 317 Connection terminal
- 401 Pixel portion
- 402 Signal line driver circuit
- 403 Scanning line driver circuit
- 404 Tuner
- 15 405 Video wave amplifier circuit
- 406 Video signal processing circuit
- 407 Control circuit
- 408 Signal division circuit
- 409 Audio wave amplifier circuit
- 20 410 Audio signal processing circuit
- 411 Control circuit
- 412 Input portion
- 413 Speaker
- 500 Pulse output circuit
- 25 501 Buffer circuit
- 502 Pixel
- 601 N-channel type TFT
- 602 N-channel type TFT
- 603 N-channel type TFT
- 30 604 N-channel type TFT

- 605 N-channel type TFT
- 606 N-channel type TFT
- 607 N-channel type TFT
- 608 N-channel type TFT
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- 621 N-channel type TFT
- 622 N-channel type TFT
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- 624 N-channel type TFT
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- 626 N-channel type TFT
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- 628 N-channel type TFT
- 629 N-channel type TFT
- 20 630 N-channel type TFT
- 631 N-channel type TFT
- 632 N-channel type TFT
- 633 N-channel type TFT
- 634 N-channel type TFT
- 25 635 N-channel type TFT
- 801 Casing
- 802 Display screen
- 803 Speaker
- 804 Operation switch
- 30 1001 Substrate

- 1002 Pixel portion
- 1003 Scanning line driver circuit
- 1004 Scanning line driver circuit
- 1005 Mother substrate
- 5 1006 Flexible wiring
- 1007 Driver IC
- 1008 Large-sized substrate
- 1009 Flexible wiring
- 1010 Driver IC
- 10 1401 Droplet discharge means
- 1402 Imaging means
- 1403 Head
- 1404 Control means
- 1405 Recording medium
- 15 1406 Image processing means
- 1407 Computer
- 1408 Marker